ThinkPad X240 Platform Specifications

Positioning	*Ultraportable Ultrabook™ or Thinbook; one spindle*
Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics
i3-4010U			1.7 GHz	-	3MB		
i5-4200U			1.6 GHz	2.6 GHz	3MB		
i5-4210U	2	4	1.7 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD graphics 4400
i5-4300U			1.9 GHz	2.9 GHz	3MB		
i7-4600U			2.1 GHz	3.3 GHz	4MB		

Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket
Optical	None
Storage	*Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable *Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ *Some:* SSHD with 8GB NAND flash memory
M.2 SSD	*Some:* Single-sided M.2 SSD, via M.2 card slot, exclusive with Smart card reader *Some:* Double-sided M.2 SSD, via M.2 card slot, exclusive with WWAN card
Widescreen display	*Some:* **12.5"** (317.5mm) **HD (1366x768)**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio, TN *Some:* **12.5"** (317.5mm) **HD (1366x768)**, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, **IPS** *Some:* **12.5"** (317.5mm) **FHD (1920x1080)**, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, 700:1 contrast ratio, **IPS**
Multi-touch	*Some:* Capacitive-type multi-touch, supports 10-finger gesture
Camera *(optional)*	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4400** in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; *Max resolution:* 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)
Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
UltraNav™	TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch
ThinkLight™	None
Dimensions[3]	*12.5W" (WxDxH):* 12.0" x 8.21" x 0.78"; 305.5mm x 208.5mm x 19.9mm *12.5W" MultiTouch (WxDxH):* 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm

Weight[2]				
Models	No + 3-cell	No + 6-cell	3-cell + 3-cell	3-cell + 6-cell
Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg
MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg

Case material	Glass-Fiber Reinforced Plastic
Internal battery	*Optional:* Integrated Li-Ion or Li-Polymer 3-cell *(23.5Wh)*, HW Authentication
External battery	Li-Ion 3-cell *(23.5Wh)* or 6-cell *(47.5Wh or 72Wh)*, HW Authentication

Max battery life[10]		
Battery configuration	3-cell + 3-cell	3-cell + 6-cell 47.5Wh	3-cell + 6-cell 72Wh
Battery life	8.7 hr	13.1 hr	17.4 hr

AC adapter	45-watt AC adapter
Chipset	Intel SoC (System on Chip) platform
Smart card reader	*Optional:* Smart card reader, exclusive with M.2 SSD
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector
Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / dual array mic, combo audio/mic jack

WLAN[4]	*One of the following, configurable by model:* • ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • Intel Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card • Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card • Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card
WWAN *(optional)*	*One of the following, configurable by model (mutually exclusive with M.2 SSD):* • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models) • Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models) • Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)
SIM card *(optional)*	*One of the following, configurable by model:* • AT&T® or Verizon® LTE (4G), contract required with service provider (US models) • Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (WE models) • User selectable, contract required with service provider
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	*Non-vPro model:* Intel Ethernet Connection I218-V (Clarkville) *vPro model:* Intel Ethernet Connection I218-LM (Clarkville)
NFC	*Optional:* Near Field Communication
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
vPro *(optional)*	Intel vPro Technology
Fingerprint reader	*Optional:* Fingerprint reader on the keyboard bezel, swipe sensor
Limited warranty[12]	*One of the following, configurable by model:* • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service[24] • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)
Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit • Lenovo Solution Center • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • Lenovo Cloud Storage by SugarSync • PC Device Stage • Nitro Pro • Evernote® • Skype™ • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions) *Some:* Windows 8 / 8.1 64-bit *Some:* Windows 8 / 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo Support • Lenovo Companion • ThinkVantage System Update • Lenovo Reach (Windows 8.1 model) • Hightail - Metro (Windows 8.1 model) • Lenovo Cloud Storage by SugarSync - Metro (Windows 8 model) • Lenovo Cloud Storage by SugarSync (Windows 8 model) • PC Device Stage • AccuWeather • Amazon Kindle • Nitro Pro • Evernote • Skype • Rara Streaming • Norton Studio • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions)
Mil-Spec test	MIL-STD-810G military certification
Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant